

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P228494

Luminaire Tested: **ISS-AF-350-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29764)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-350-LED-E1-SLL-7030
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1761 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

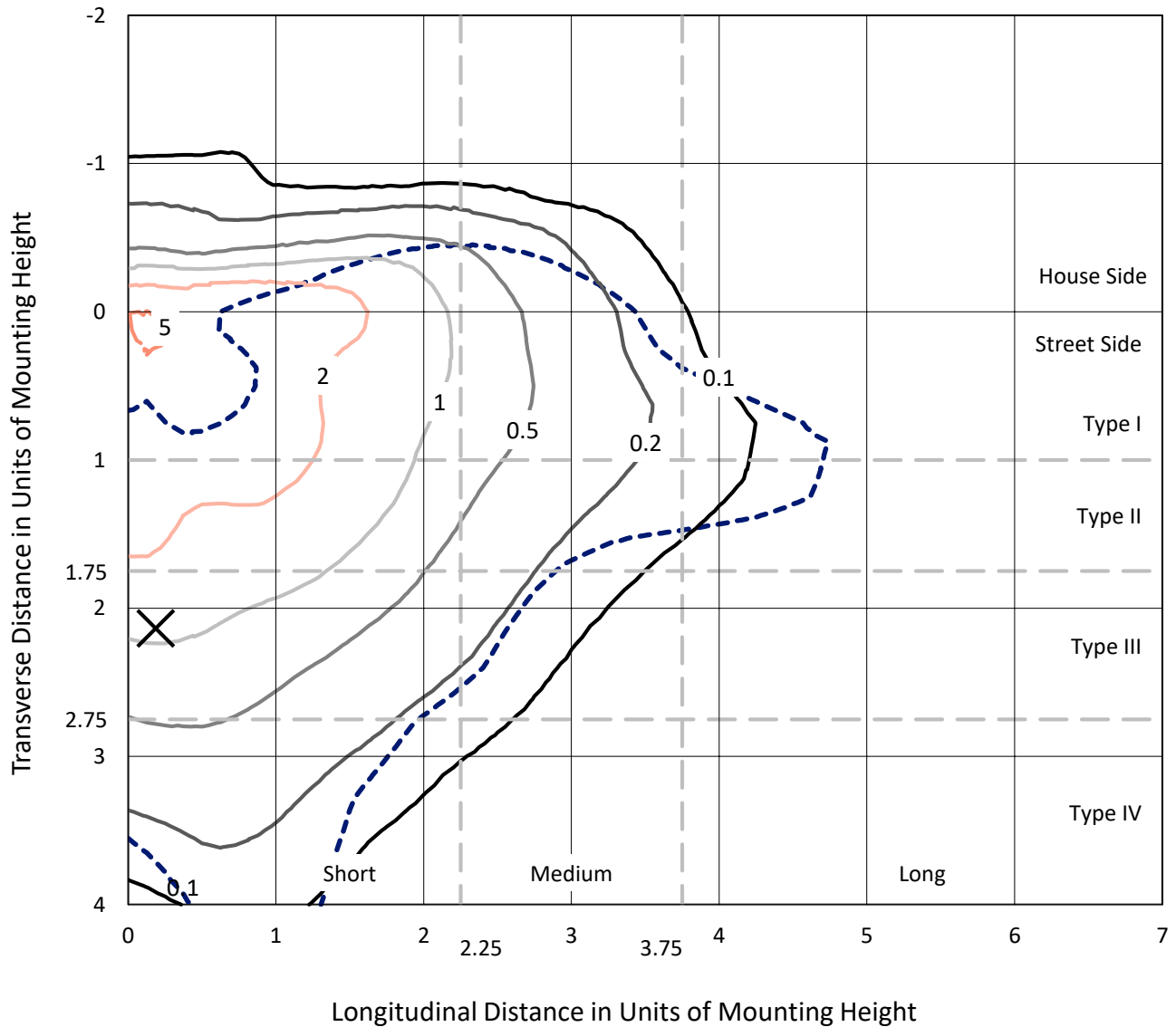
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P228494
 CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

Iso-Footcandle Lines of Horizontal Illumination

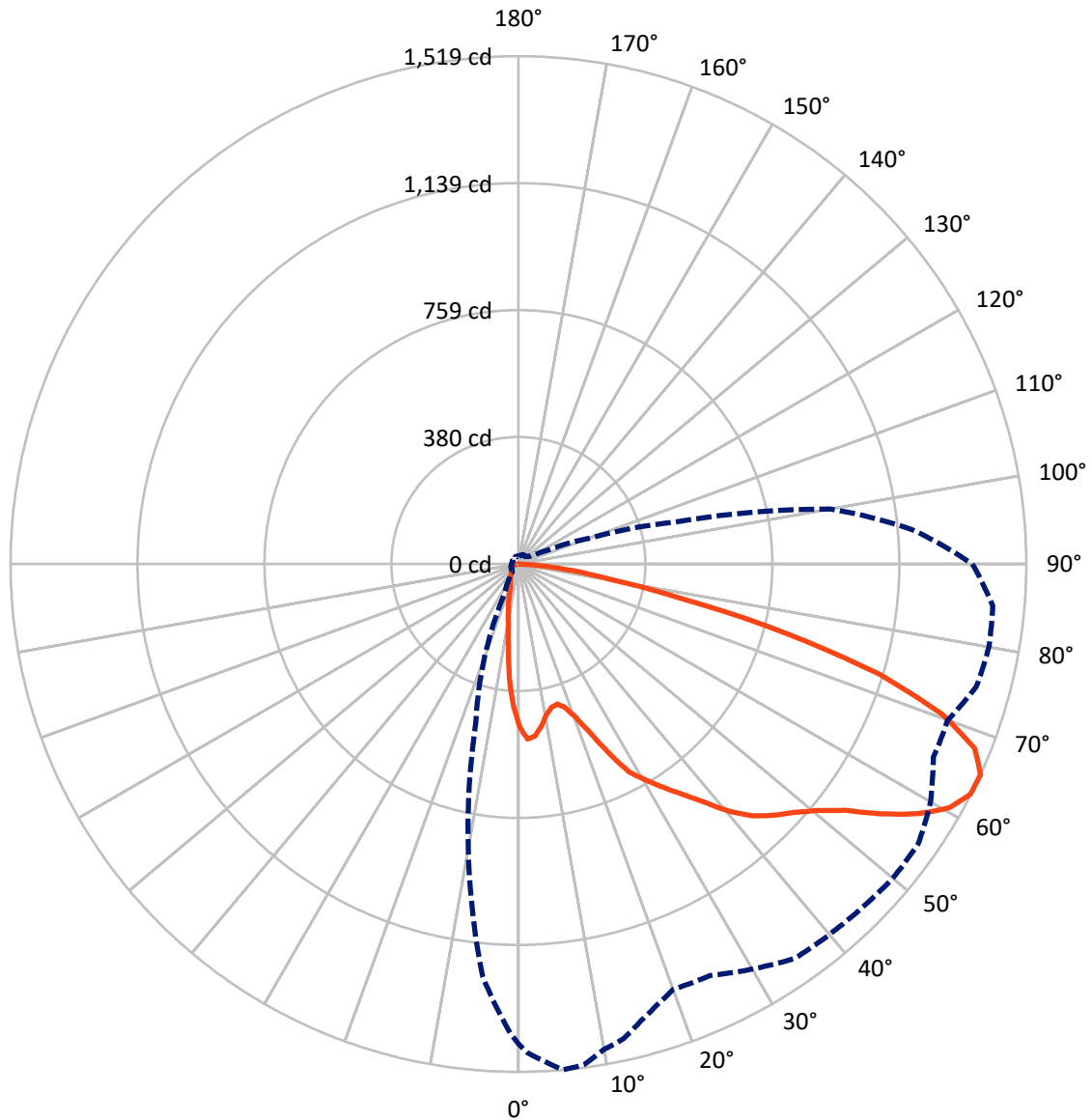
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P228494
CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P228494

CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

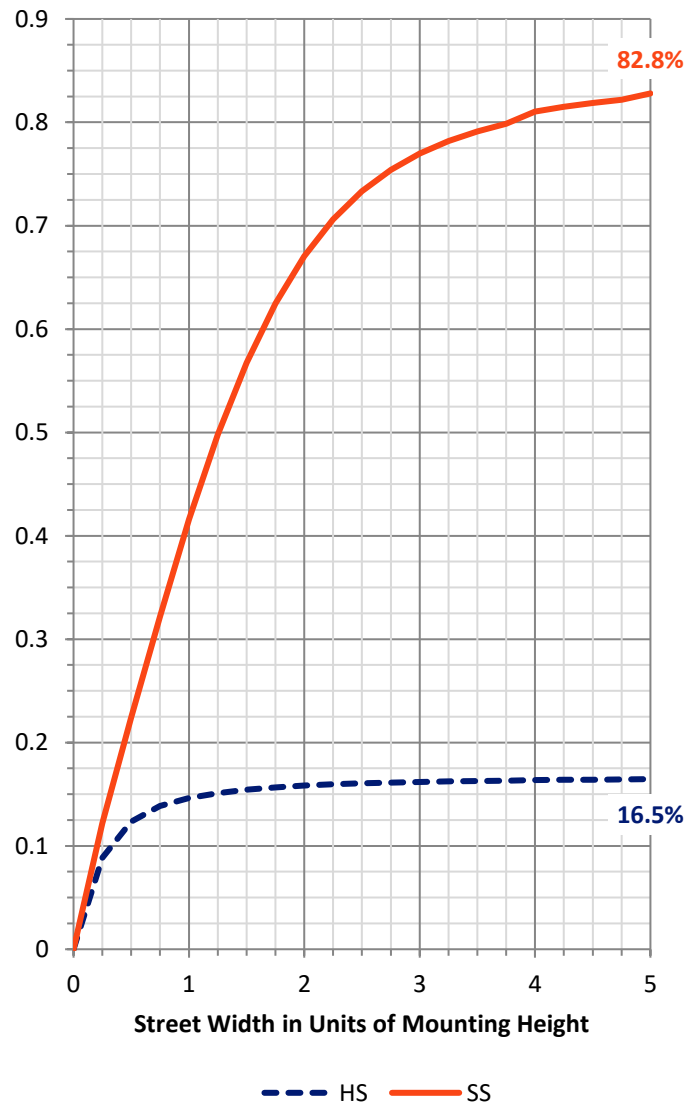
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	292.8	0.0	292.8
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	1468.2	0.0	1468.2
	% Fixture	83.4	0.0	83.4
Total	Lumens	1761.0	0.0	1761.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	2.1
10°-20°	77.1	4.4
20°-30°	112.1	6.4
30°-40°	165.8	9.4
40°-50°	241.6	13.7
50°-60°	362.1	20.6
60°-70°	451.2	25.6
70°-80°	264.3	15.0
80°-90°	49.4	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1761.0	100.0
0°-180°	1761.0	100.0



REPORT NUMBER: P228494

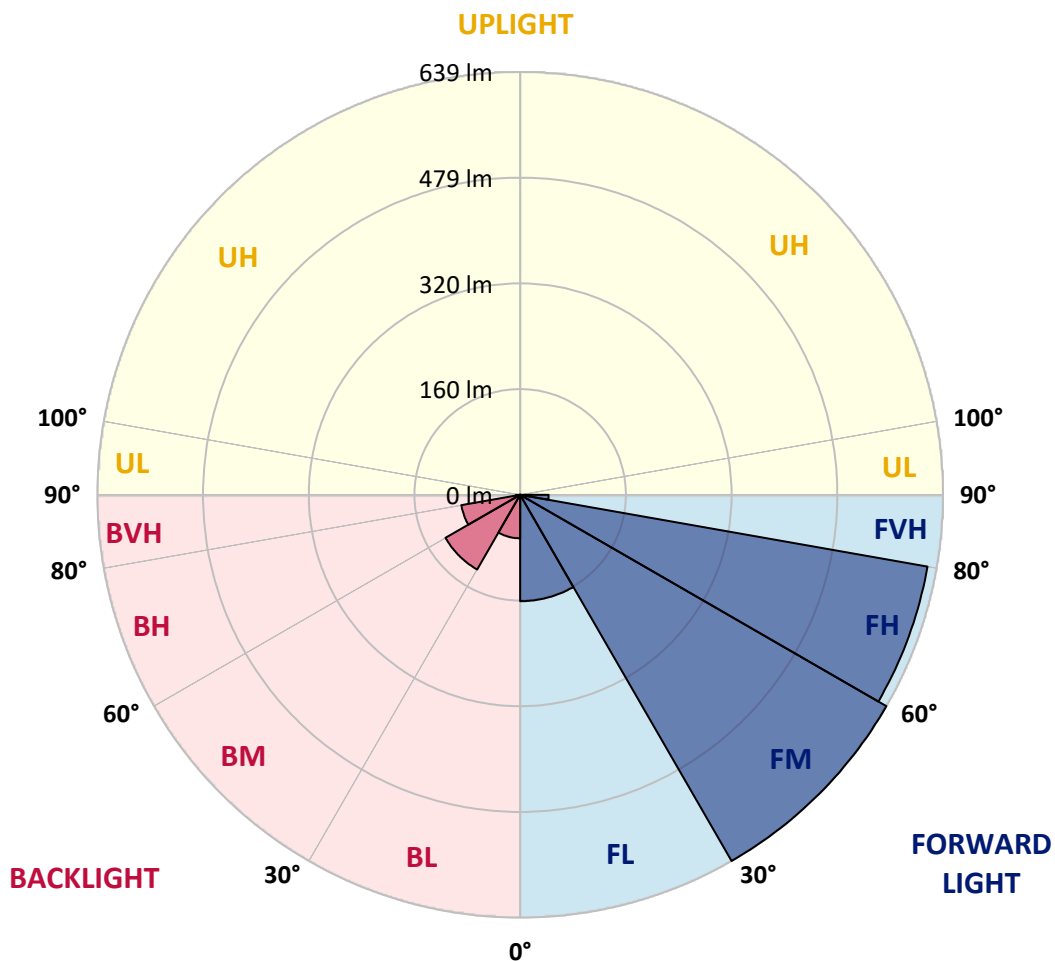
CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.9	9.1			
FM	(30°-60°)	639.1	36.3			
FH	(60°-80°)	625.2	35.5			G0/660
FVH	(80°-90°)	43.1	2.4			G1/100
BL	(0°-30°)	65.7	3.7	B0/110		
BM	(30°-60°)	130.3	7.4	B0/220		
BH	(60°-80°)	90.4	5.1	B0/110		G0/110
BVH	(80°-90°)	6.4	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





REPORT NUMBER: P228494

CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	7.5°	10°	12.5°	15°	17.5°	20°	25°	35°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	517.3	515.9	524.3	525.7	531.3	531.3	537.5	543.1	545.2	550.1	562.6
5°	500.6	504.8	516.6	528.5	536.8	545.2	554.3	565.4	574.5	589.8	621.9
7.5°	463.6	469.9	490.1	502.0	515.2	529.9	541.0	554.3	568.2	594.0	651.2
10°	427.4	432.3	458.1	472.7	491.5	506.9	522.9	537.5	552.9	584.9	651.2
12.5°	404.4	410.6	439.9	453.9	475.5	491.5	511.0	528.5	546.6	580.8	644.9
15°	399.5	406.5	434.4	451.8	470.6	485.9	503.4	521.5	539.6	573.1	630.3
17.5°	412.7	421.1	451.1	470.6	485.2	502.7	515.2	532.7	544.5	571.0	598.2
20°	444.1	453.9	489.4	508.3	520.1	531.3	541.0	551.5	556.4	562.6	557.8
22.5°	494.3	506.2	546.6	568.2	576.6	584.9	585.6	587.0	583.6	566.8	529.2
25°	566.1	578.0	624.0	644.9	644.9	644.9	637.2	631.7	615.6	584.2	521.5
27.5°	633.1	648.4	703.5	716.7	712.5	706.3	691.6	677.7	654.7	602.4	520.8
30°	683.2	698.6	749.5	759.9	749.5	734.1	711.1	690.9	663.7	611.4	525.7
32.5°	729.3	747.4	796.2	797.6	778.8	761.3	735.5	712.5	683.9	628.2	540.3
35°	778.1	796.2	845.7	835.9	808.7	785.0	758.5	738.3	709.7	649.8	564.0
37.5°	845.7	861.7	903.6	880.6	845.7	815.0	786.4	759.9	731.4	679.1	603.8
40°	911.2	934.2	972.6	935.6	893.1	852.0	820.6	792.7	761.3	718.8	654.7
42.5°	972.6	994.2	1029.8	982.3	932.8	891.7	858.9	829.0	799.0	764.1	716.0
45°	1019.3	1041.6	1071.6	1021.4	964.9	922.4	886.8	860.3	833.8	810.1	793.4
47.5°	1064.6	1086.9	1109.9	1055.6	999.8	956.5	914.7	890.3	869.4	856.9	877.1
50°	1123.2	1138.5	1158.0	1099.5	1040.2	990.7	948.9	930.1	910.5	914.7	982.3
52.5°	1202.7	1215.9	1222.9	1165.7	1099.5	1043.0	997.0	971.2	955.2	979.6	1093.9
55°	1314.9	1333.7	1318.4	1261.9	1178.3	1114.1	1057.6	1027.0	1017.2	1050.0	1205.4
57.5°	1411.8	1420.2	1409.0	1353.3	1267.5	1195.7	1135.7	1103.7	1092.5	1135.7	1307.2
60°	1454.3	1464.8	1480.1	1432.0	1351.9	1280.7	1229.2	1197.8	1179.0	1229.2	1388.8
62.5°	1461.3	1478.7	1516.4	1492.0	1428.5	1375.6	1328.9	1285.6	1271.0	1309.3	1442.5
65°	1434.1	1460.6	1518.5	1509.4	1473.9	1453.6	1414.6	1381.1	1353.3	1357.4	1439.7
67.5°	1372.8	1403.5	1471.1	1466.9	1471.1	1471.1	1436.9	1409.0	1372.8	1321.2	1333.7
70°	1225.0	1265.4	1343.5	1363.7	1399.3	1399.3	1369.3	1326.8	1284.9	1179.0	1114.8
72.5°	981.6	1008.8	1128.8	1227.1	1272.4	1254.3	1225.0	1153.9	1061.8	945.4	858.2
75°	664.4	680.5	827.6	1007.4	1089.7	1074.4	1026.3	937.7	842.9	713.2	603.1
77.5°	370.2	391.1	501.3	642.1	753.0	750.9	744.6	688.1	612.8	505.5	448.3
80°	217.5	224.5	282.4	384.9	480.4	457.4	441.3	396.7	358.4	309.6	353.5
82.5°	133.2	126.2	160.4	234.3	283.8	274.0	246.8	230.1	211.9	198.7	235.0
85°	36.3	32.8	65.5	98.3	120.6	130.4	130.4	129.0	115.7	87.1	104.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228494

CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	567.5	568.2	566.1	571.0	565.4	562.6	554.3	554.3	547.3	541.7	535.4
5°	633.7	637.9	634.4	635.1	624.0	612.8	596.1	586.3	568.9	550.1	530.6
7.5°	678.4	685.3	682.6	670.7	653.3	629.6	601.7	575.2	546.6	515.9	487.3
10°	690.2	697.9	691.6	669.3	640.7	607.3	573.8	538.2	503.4	470.6	439.9
12.5°	673.5	679.1	665.8	641.4	613.5	580.1	545.2	514.5	473.4	438.5	403.0
15°	631.0	627.5	626.1	608.6	589.1	561.9	529.2	497.8	459.5	423.9	386.2
17.5°	584.9	580.8	582.2	575.2	572.4	559.8	535.4	509.0	474.8	431.6	391.1
20°	544.5	540.3	542.4	545.9	556.4	557.1	552.9	535.4	510.3	465.0	415.5
22.5°	509.6	510.3	517.3	527.1	544.5	566.8	584.2	587.7	570.3	517.3	455.3
25°	499.2	495.7	503.4	519.4	548.7	591.9	631.0	650.5	640.7	587.7	511.7
27.5°	495.7	490.8	499.2	520.1	566.8	627.5	683.2	712.5	716.0	661.6	572.4
30°	495.7	493.6	502.0	529.2	578.7	639.3	701.4	745.3	759.2	713.9	625.4
32.5°	502.0	503.4	518.0	552.9	603.8	665.8	730.0	777.4	802.5	768.3	667.9
35°	515.9	518.7	539.6	580.1	635.1	697.9	756.5	804.6	845.0	826.9	707.7
37.5°	545.9	550.1	575.9	617.0	667.2	723.7	780.9	832.4	891.0	883.3	749.5
40°	598.9	598.9	624.7	660.2	701.4	744.6	801.1	861.7	933.5	944.0	801.1
42.5°	665.8	663.0	679.8	705.6	734.1	770.4	821.3	888.9	973.3	996.3	840.1
45°	757.8	743.9	753.0	759.2	773.2	795.5	840.8	914.7	1005.4	1035.3	869.4
47.5°	865.9	846.4	838.7	826.9	822.0	830.4	869.4	934.9	1036.0	1068.8	916.8
50°	985.1	966.3	946.1	914.0	886.1	877.8	901.5	962.1	1068.8	1110.6	969.1
52.5°	1109.2	1096.0	1069.5	1019.3	966.3	936.3	947.5	1007.4	1121.1	1175.5	1031.1
55°	1222.9	1227.1	1195.0	1136.4	1060.4	1014.4	1027.7	1087.6	1215.9	1280.0	1135.0
57.5°	1344.9	1333.7	1308.6	1248.0	1165.0	1115.5	1121.1	1193.6	1321.9	1370.7	1238.2
60°	1425.8	1425.8	1398.6	1352.6	1273.8	1227.8	1236.1	1303.1	1406.9	1411.8	1284.2
62.5°	1478.1	1485.7	1464.1	1431.3	1354.6	1316.3	1344.9	1392.3	1448.8	1408.3	1261.2
65°	1453.0	1461.3	1459.2	1423.0	1368.6	1365.8	1417.4	1428.5	1423.7	1357.4	1181.7
67.5°	1339.3	1322.6	1321.9	1303.1	1291.9	1349.8	1415.3	1418.8	1336.5	1257.7	1056.2
70°	1123.2	1094.6	1083.4	1089.0	1139.9	1248.0	1341.4	1314.9	1183.8	1116.2	899.4
72.5°	865.9	831.8	824.8	846.4	925.2	1077.2	1204.8	1167.8	973.3	894.5	696.5
75°	614.2	599.6	600.3	642.8	727.9	874.3	1022.8	1019.3	720.9	617.0	479.7
77.5°	446.9	449.7	462.2	479.0	552.2	693.7	833.1	824.1	513.1	423.9	335.4
80°	368.8	373.0	373.0	363.9	382.8	458.1	566.1	604.5	343.7	285.2	234.3
82.5°	264.9	285.8	297.7	283.1	276.1	301.9	354.9	380.0	214.0	179.9	163.8
85°	126.2	144.3	148.5	145.0	166.6	190.3	202.9	207.8	117.1	83.7	107.4
87.5°	0.0	0.0	0.7	5.6	15.3	26.5	26.5	40.4	6.3	2.1	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228494

CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	115°	120°	125°	130°	135°	145°	155°	165°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	527.1	518.0	511.0	502.7	495.7	488.7	483.9	473.4	465.0	446.2	441.3
5°	514.5	495.0	481.8	469.2	453.2	442.0	430.2	415.5	399.5	372.3	363.9
7.5°	465.0	440.6	422.5	404.4	383.5	364.6	347.2	327.7	299.8	270.5	259.4
10°	411.3	385.5	360.4	338.8	313.7	292.8	277.5	263.5	241.2	218.9	204.3
12.5°	367.4	338.1	309.6	287.9	274.7	264.2	253.1	241.9	218.2	193.1	175.7
15°	347.2	313.0	287.9	269.8	258.0	245.4	232.2	219.6	191.7	162.4	141.5
17.5°	350.0	310.9	278.9	254.5	238.4	221.0	205.7	189.6	159.0	124.1	105.3
20°	365.3	313.0	269.1	240.5	217.5	195.2	175.7	155.5	117.8	90.6	77.4
22.5°	384.9	320.0	263.5	226.6	198.0	170.1	145.0	121.3	87.1	71.1	64.8
25°	418.3	336.0	262.1	214.0	179.2	145.7	119.9	94.8	70.4	62.7	59.3
27.5°	460.1	354.2	263.5	205.0	163.1	126.2	97.6	78.8	63.4	59.3	56.5
30°	502.0	373.0	257.3	191.0	144.3	108.1	83.7	71.8	62.7	57.9	53.0
32.5°	538.9	386.9	246.8	176.4	127.6	92.0	71.1	61.4	55.1	49.5	48.1
35°	565.4	393.2	235.0	167.3	116.4	82.3	62.7	55.1	48.8	43.2	40.4
37.5°	590.5	393.9	222.4	159.0	112.2	78.1	57.9	50.9	45.3	40.4	37.6
40°	616.3	391.1	215.4	150.6	106.0	76.0	55.8	47.4	43.9	38.3	35.6
42.5°	635.1	386.2	212.6	145.7	100.4	70.4	54.4	46.7	41.8	37.6	34.2
45°	652.6	381.4	212.6	141.5	96.2	66.9	51.6	47.4	40.4	37.0	32.8
47.5°	673.5	383.5	213.3	138.0	92.7	63.4	48.8	46.0	41.1	36.3	32.1
50°	709.0	407.2	216.8	136.0	89.9	60.7	46.7	43.9	45.3	35.6	31.4
52.5°	770.4	444.8	222.4	134.6	87.1	58.6	43.9	42.5	46.0	35.6	30.7
55°	850.6	483.2	228.0	131.1	83.0	54.4	42.5	39.7	42.5	35.6	30.0
57.5°	928.7	511.7	232.9	126.2	76.0	50.2	40.4	37.6	39.0	34.9	28.6
60°	974.0	534.1	237.7	117.8	67.6	45.3	38.3	35.6	34.9	34.9	27.9
62.5°	986.5	525.7	235.0	107.4	60.7	41.8	36.3	33.5	31.4	35.6	27.9
65°	946.8	481.8	224.5	98.3	55.8	40.4	34.2	32.1	30.0	30.7	26.5
67.5°	824.8	405.1	195.9	89.9	55.1	39.7	32.8	30.7	27.9	27.2	25.1
70°	672.8	317.9	162.4	83.7	54.4	39.7	31.4	28.6	26.5	24.4	23.0
72.5°	517.3	237.7	136.6	80.9	55.1	39.0	29.3	25.8	23.7	22.3	20.9
75°	363.9	168.0	113.6	72.5	51.6	37.0	27.2	23.0	20.9	19.5	18.1
77.5°	263.5	114.3	84.4	58.6	43.9	32.1	23.7	19.5	17.4	16.7	15.3
80°	168.0	70.4	56.5	43.2	32.1	25.1	18.1	15.3	13.9	12.5	11.9
82.5°	96.9	41.1	34.2	29.3	20.9	16.7	13.2	11.9	9.1	8.4	7.7
85°	59.3	25.8	18.8	15.3	13.2	10.5	7.7	7.0	4.9	4.2	3.5
87.5°	13.2	5.6	4.9	3.5	4.2	3.5	2.1	1.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228494

CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	175°	180°	185°	195°	205°	215°	225°	230°	232.5°	235°	237.5°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	433.7	423.2	423.9	421.8	416.2	407.2	404.4	399.5	400.2	403.0	400.2
5°	354.2	341.6	343.0	342.3	336.7	330.5	325.6	319.3	317.2	319.3	315.8
7.5°	251.0	242.6	245.4	251.7	251.0	247.5	243.3	236.3	235.0	235.7	229.4
10°	191.7	183.4	181.3	180.6	179.2	177.1	171.5	165.9	163.8	164.5	160.4
12.5°	160.4	153.4	145.0	137.3	130.4	127.6	120.6	117.1	116.4	116.4	114.3
15°	126.9	121.3	116.4	108.8	103.2	99.0	94.1	91.3	90.6	91.3	91.3
17.5°	94.8	92.0	89.9	89.2	86.5	83.7	80.9	79.5	78.8	78.8	79.5
20°	72.5	71.8	71.8	71.8	75.3	78.1	78.8	76.7	76.0	75.3	74.6
22.5°	62.7	62.1	62.7	66.9	64.8	62.7	62.7	62.7	62.7	62.7	63.4
25°	57.9	58.6	59.3	57.2	55.1	53.7	53.0	53.0	52.3	52.3	53.0
27.5°	55.1	54.4	53.7	52.3	50.9	48.8	48.1	47.4	47.4	47.4	47.4
30°	51.6	50.9	50.2	48.8	46.7	43.9	43.2	43.2	42.5	43.2	43.2
32.5°	47.4	46.7	46.0	44.6	42.5	41.1	40.4	39.0	39.0	39.0	39.7
35°	38.3	37.6	37.6	38.3	38.3	37.6	37.6	36.3	36.3	36.3	36.3
37.5°	35.6	34.9	34.9	34.2	34.9	35.6	34.9	34.2	34.2	33.5	33.5
40°	33.5	33.5	32.8	32.1	32.1	33.5	32.8	32.1	31.4	31.4	31.4
42.5°	32.1	31.4	31.4	30.7	30.7	30.7	30.0	29.3	28.6	28.6	28.6
45°	30.7	30.7	30.0	29.3	28.6	28.6	27.2	26.5	26.5	26.5	27.2
47.5°	30.0	29.3	29.3	28.6	27.9	26.5	25.8	25.1	25.1	25.1	25.1
50°	29.3	28.6	27.9	27.9	26.5	25.8	25.1	24.4	24.4	24.4	24.4
52.5°	28.6	27.9	27.2	26.5	25.8	25.1	24.4	23.7	23.7	23.7	23.7
55°	27.2	26.5	26.5	25.8	25.8	25.1	24.4	23.7	23.7	23.7	23.0
57.5°	26.5	25.8	25.1	25.1	25.1	24.4	23.7	23.0	23.0	23.0	23.0
60°	25.8	25.1	25.1	24.4	24.4	23.7	23.7	23.0	22.3	22.3	21.6
62.5°	25.1	24.4	24.4	23.7	24.4	23.7	23.0	22.3	21.6	21.6	20.9
65°	24.4	23.7	23.7	23.7	23.0	23.0	22.3	20.9	20.9	20.9	20.2
67.5°	23.0	22.3	22.3	23.0	22.3	21.6	21.6	20.2	20.2	19.5	19.5
70°	20.9	20.9	20.9	21.6	20.9	20.2	20.2	19.5	18.8	18.1	18.1
72.5°	19.5	18.8	19.5	19.5	19.5	18.8	19.5	18.1	17.4	16.7	16.7
75°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.0	15.3	14.6
77.5°	13.2	13.9	13.9	13.9	13.9	14.6	13.9	13.9	13.9	13.2	12.5
80°	9.8	9.8	10.5	11.2	10.5	11.2	10.5	11.2	10.5	10.5	10.5
82.5°	5.6	5.6	6.3	7.0	7.0	7.7	6.3	7.0	7.0	7.7	7.0
85°	2.1	2.1	2.1	2.1	2.8	2.8	2.1	2.8	2.8	3.5	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228494

CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	240°	242.5°	245°	247.5°	250°	252.5°	255°	257.5°	260°	265°	270°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	405.8	405.8	397.4	398.8	400.2	403.0	401.6	400.9	400.2	404.4	406.5
5°	318.6	317.9	307.5	306.8	308.9	309.6	307.5	304.0	301.9	302.6	304.7
7.5°	231.5	229.4	219.6	218.2	217.5	218.2	216.1	212.6	209.9	210.6	212.6
10°	161.7	156.2	154.8	155.5	156.9	158.3	158.3	158.3	159.0	163.1	168.0
12.5°	117.1	115.0	116.4	117.8	120.6	122.7	124.8	125.5	126.2	131.8	136.0
15°	92.7	92.7	94.1	94.8	96.2	97.6	99.0	99.0	99.7	101.8	105.3
17.5°	80.2	80.2	80.2	80.2	80.2	79.5	78.8	77.4	76.7	76.0	76.7
20°	73.9	73.2	71.8	71.1	69.7	68.3	67.6	65.5	64.8	62.7	62.1
22.5°	63.4	62.7	62.7	62.7	62.7	62.1	61.4	60.7	59.3	57.2	55.8
25°	52.3	52.3	52.3	53.0	53.0	53.7	55.1	55.1	55.1	55.1	53.0
27.5°	47.4	47.4	47.4	47.4	48.1	48.1	48.8	48.8	48.8	49.5	50.2
30°	43.2	43.9	43.9	44.6	44.6	45.3	45.3	46.0	46.0	46.7	46.7
32.5°	39.7	39.7	40.4	41.1	41.1	41.1	42.5	42.5	41.8	42.5	42.5
35°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	34.2	33.5	34.2
37.5°	32.8	32.1	32.1	31.4	30.7	30.7	30.7	31.4	30.7	31.4	31.4
40°	30.0	30.0	29.3	29.3	29.3	29.3	29.3	29.3	29.3	30.0	30.7
42.5°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	28.6	28.6
45°	26.5	26.5	26.5	26.5	27.2	27.2	27.2	27.2	27.2	27.2	27.9
47.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.5	27.2
50°	24.4	24.4	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.8	26.5
52.5°	23.7	23.7	23.7	24.4	24.4	24.4	24.4	24.4	24.4	24.4	25.1
55°	23.0	23.7	23.7	23.7	23.7	23.7	23.0	23.0	23.0	23.0	23.7
57.5°	22.3	22.3	23.0	23.0	23.0	22.3	22.3	21.6	21.6	21.6	23.0
60°	21.6	21.6	21.6	21.6	21.6	20.9	20.9	20.9	20.9	21.6	21.6
62.5°	20.9	20.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
65°	20.2	20.2	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
67.5°	18.8	18.8	18.8	18.1	18.1	18.1	18.1	18.8	18.1	18.1	18.1
70°	17.4	17.4	17.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
72.5°	16.0	16.0	16.0	16.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3
75°	14.6	13.9	13.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
77.5°	12.5	11.9	11.9	11.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2
80°	10.5	9.8	9.8	9.1	9.1	9.1	9.1	9.1	9.1	8.4	8.4
82.5°	7.7	7.0	7.0	7.0	7.0	6.3	6.3	6.3	6.3	5.6	4.9
85°	3.5	3.5	2.8	3.5	3.5	4.2	3.5	3.5	3.5	2.8	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P228494
 CATALOG NUMBER: ISS-AF-350-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°	302.5°	
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	0°
2.5°	405.1	412.0	412.7	408.6	416.9	418.3	416.2	416.2	417.6	423.2	423.2	2.5°
5°	301.9	310.9	310.3	304.7	315.8	319.3	317.2	317.9	320.7	327.0	330.5	5°
7.5°	213.3	221.0	220.3	219.6	226.6	229.4	230.8	232.9	241.2	241.9	246.1	7.5°
10°	172.9	179.9	182.0	186.8	188.9	193.1	195.9	199.4	206.4	209.9	214.7	10°
12.5°	140.1	148.5	150.6	156.2	159.0	163.8	166.6	173.6	177.8	182.0	188.2	12.5°
15°	108.1	115.0	117.1	121.3	124.1	129.7	132.5	136.6	145.0	149.2	157.6	15°
17.5°	79.5	83.7	85.1	87.8	89.9	92.0	97.6	104.6	109.5	116.4	120.6	17.5°
20°	62.1	63.4	64.1	64.8	66.2	67.6	70.4	75.3	78.1	83.7	87.8	20°
22.5°	55.8	56.5	56.5	57.2	57.2	57.9	59.3	60.7	62.1	64.1	66.2	22.5°
25°	51.6	52.3	52.3	53.0	53.0	53.7	54.4	55.1	56.5	57.2	57.9	25°
27.5°	49.5	49.5	49.5	49.5	50.2	50.2	50.9	52.3	52.3	53.7	54.4	27.5°
30°	47.4	47.4	47.4	48.1	48.8	50.2	51.6	53.7	54.4	55.8	56.5	30°
32.5°	43.9	42.5	43.9	43.2	41.8	41.8	42.5	43.9	43.9	44.6	45.3	32.5°
35°	34.2	34.2	34.9	35.6	35.6	36.3	37.0	37.6	38.3	39.7	40.4	35°
37.5°	32.1	32.8	32.8	33.5	34.2	34.2	34.9	36.3	37.0	37.6	38.3	37.5°
40°	30.7	31.4	32.1	32.8	32.8	33.5	34.2	34.9	35.6	37.0	37.6	40°
42.5°	29.3	30.7	30.7	31.4	32.1	32.8	33.5	34.2	35.6	36.3	37.0	42.5°
45°	28.6	29.3	30.0	30.7	31.4	32.1	32.8	34.2	34.9	36.3	37.0	45°
47.5°	27.9	28.6	29.3	30.0	30.7	31.4	32.1	33.5	34.9	36.3	37.6	47.5°
50°	26.5	27.9	28.6	29.3	30.0	30.7	32.1	33.5	34.9	37.0	40.4	50°
52.5°	25.8	27.2	27.2	28.6	29.3	30.7	32.1	33.5	35.6	38.3	41.8	52.5°
55°	24.4	25.8	25.8	27.2	28.6	30.0	30.7	32.8	34.9	37.6	38.3	55°
57.5°	23.0	24.4	25.1	25.8	27.2	28.6	29.3	31.4	34.2	34.9	34.2	57.5°
60°	22.3	23.0	23.7	24.4	25.8	26.5	28.6	32.8	35.6	32.8	29.3	60°
62.5°	20.9	22.3	23.0	23.7	25.1	25.8	27.2	30.0	30.7	27.2	26.5	62.5°
65°	20.2	21.6	21.6	23.0	23.7	23.7	24.4	24.4	24.4	24.4	24.4	65°
67.5°	18.8	20.2	20.2	20.9	21.6	21.6	22.3	22.3	22.3	22.3	22.3	67.5°
70°	17.4	18.1	18.8	19.5	19.5	19.5	20.2	20.2	20.2	20.9	20.9	70°
72.5°	16.0	16.7	16.7	17.4	17.4	18.1	18.1	18.8	18.8	18.8	19.5	72.5°
75°	13.2	13.9	14.6	15.3	15.3	16.0	16.0	16.0	16.0	16.7	16.7	75°
77.5°	11.2	11.2	12.5	12.5	13.2	13.2	13.9	13.9	13.9	13.9	13.9	77.5°
80°	8.4	8.4	9.1	9.8	10.5	10.5	10.5	10.5	10.5	10.5	10.5	80°
82.5°	4.9	4.9	5.6	5.6	6.3	6.3	7.0	6.3	6.3	5.6	5.6	82.5°
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.0	0.0	85°
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

NUMBER: P228494
 NUMBER: ISS-AF-350-LED-E1-SLL-7030

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	335°	345°		355°
487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	0°	487.3
433.7	433.7	435.0	440.6	442.0	445.5	444.8	451.1	453.9	470.6	488.0	2.5°	504.8
343.0	345.8	350.0	357.0	361.1	368.8	367.4	380.0	382.1	412.7	442.7	5°	477.6
255.9	260.1	263.5	271.2	277.5	285.2	287.2	301.9	306.1	346.5	388.3	7.5°	436.4
221.7	225.2	230.1	235.0	241.2	244.7	250.3	257.3	262.1	292.1	340.2	10°	395.3
197.3	202.2	207.1	214.0	220.3	226.6	232.2	239.1	245.4	269.8	307.5	12.5°	370.9
167.3	172.9	178.5	186.2	195.2	201.5	207.8	215.4	223.1	253.1	297.0	15°	361.1
129.7	136.0	143.6	154.1	163.8	171.5	177.8	188.2	198.0	234.3	292.1	17.5°	370.9
95.5	101.1	108.1	117.1	124.1	137.3	144.3	156.9	168.7	214.0	285.2	20°	389.7
70.4	73.9	79.5	86.5	94.1	106.0	113.6	124.8	138.0	195.2	285.2	22.5°	421.8
59.3	60.7	62.7	66.9	71.8	80.2	87.8	99.0	112.2	178.5	292.8	25°	474.1
55.1	55.8	57.2	59.3	62.1	66.2	71.8	80.9	94.1	165.2	304.0	27.5°	529.9
57.9	57.9	57.9	58.6	60.0	62.1	64.8	70.4	78.8	145.7	311.6	30°	578.7
46.7	47.4	47.4	48.8	49.5	52.3	55.1	59.3	66.9	133.9	316.5	32.5°	613.5
41.8	42.5	43.2	43.9	45.3	46.0	48.8	53.7	61.4	126.2	315.8	35°	654.7
39.7	40.4	41.1	41.1	41.8	43.2	45.3	50.2	59.3	123.4	315.8	37.5°	702.1
39.0	39.0	39.0	39.0	40.4	41.8	45.3	50.2	57.9	120.6	317.9	40°	754.4
37.6	37.6	37.6	38.3	40.4	43.2	44.6	47.4	53.7	119.2	321.4	42.5°	801.8
37.6	37.6	38.3	41.1	41.8	41.8	42.5	44.6	50.9	119.2	328.4	45°	838.7
39.0	40.4	41.1	40.4	39.7	39.7	39.7	42.5	48.8	121.3	341.6	47.5°	881.3
42.5	41.8	39.0	38.3	38.3	37.0	37.6	40.4	48.1	121.3	368.8	50°	939.8
41.8	39.0	38.3	37.0	35.6	34.9	35.6	39.7	47.4	119.9	407.9	52.5°	1025.6
37.6	37.0	34.9	33.5	32.8	33.5	34.9	38.3	46.0	118.5	456.0	55°	1129.5
32.8	32.1	30.7	30.7	31.4	32.1	34.2	37.0	42.5	115.0	494.3	57.5°	1225.0
28.6	28.6	28.6	29.3	30.0	30.7	32.8	34.9	39.0	108.8	520.1	60°	1286.3
25.8	26.5	26.5	27.9	28.6	29.3	30.7	32.8	35.6	101.8	525.7	62.5°	1287.0
24.4	25.1	25.8	25.8	26.5	27.2	29.3	31.4	35.6	96.2	491.5	65°	1236.1
23.0	23.0	23.7	24.4	25.1	25.8	27.2	30.7	36.3	91.3	416.9	67.5°	1107.1
20.9	21.6	22.3	23.0	23.0	23.7	25.8	30.7	37.0	89.2	331.2	70°	934.9
19.5	19.5	20.2	20.9	20.9	22.3	24.4	30.0	37.6	85.8	249.6	72.5°	729.3
16.7	17.4	17.4	17.4	18.1	19.5	22.3	27.2	32.8	71.1	168.7	75°	494.3
14.6	13.9	14.6	14.6	15.3	16.0	18.1	20.9	24.4	45.3	89.2	77.5°	314.4
10.5	9.8	9.8	10.5	10.5	10.5	11.9	12.5	13.9	27.9	49.5	80°	185.5
5.6	4.9	5.6	4.9	4.9	5.6	5.6	7.0	7.0	13.2	22.3	82.5°	115.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	4.9	85°	46.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5°	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°	0.0

'228494

ISS-AF-350-LED-E1-SLL-7030

TION (continued):

359°	360°
487.3	487.3
513.1	517.3
495.0	500.6
456.0	463.6
419.7	427.4
400.2	404.4
391.1	399.5
404.4	412.7
430.9	444.1
477.6	494.3
551.5	566.1
610.0	633.1
664.4	683.2
707.7	729.3
757.2	778.1
817.1	845.7
879.2	911.2
937.0	972.6
991.4	1019.3
1033.2	1064.6
1086.2	1123.2
1176.2	1202.7
1284.9	1314.9
1386.0	1411.8
1432.7	1454.3
1434.1	1461.3
1403.5	1434.1
1325.4	1372.8
1172.0	1225.0
921.0	981.6
611.4	664.4
352.8	370.2
208.5	217.5
124.1	133.2
33.5	36.3
0.0	0.0
0.0	0.0

(END OF REPORT)